Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/09/2021 10:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124184	-1	1.06	124093	1.06
Blue	F	SSC	125000	123289	-2	2.42	123598	2.29
Blue	E	FITC	13131	12718	-4	2.17	293	15.46
Blue	D	PE	24112	23930	-1	1.56	550	10.48
Blue	B	PerCP-Cy5-5	31295	30521	-3	2.93	1015	14.40
Blue	A	PE-Cy7	19939	19521	-3	5.15	519	28.54
Red	C	APC	42122	40820	-4	2.84	1706	11.07
Red	A	APC-Cy7	22340	21562	-4	3.23	808	11.57
Violet	B	V450	7410	7041	-5	3.28	436	12.41
Violet	A	V500	28118	27056	-4	2.79	682	9.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22963	1.17	561	-8	N/A	N/A	Pass
Blue	F	SSC	57565	0.81	518	6	N/A	N/A	Pass
Blue	E	FITC	54	57.02	484	-3	0.0464	251	Pass
Blue	D	PE	116	37.07	488	0	0.4980	410	Pass
Blue	B	PerCP-Cy5-5	190	35.71	583	-3	0.0202	82	Pass
Blue	A	PE-Cy7	104	67.21	625	-3	0.0231	3	Pass
Red	C	APC	394	24.19	579	3	0.0309	304	Pass
Red	A	APC-Cy7	181	27.31	554	3	0.0064	1008	Pass
Violet	B	V450	64	61.96	461	8	0.0664	2813	Pass
Violet	A	V500	102	36.03	473	8	0.0274	1471	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.94	-32.60	0.96
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.39
Red	14.54	13.60 - 20.40	N/A	N/A	30.67	31.22	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9652

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments